

POSITIVE ENGAGEMENT CLUTCHABSTRACT OF THE DISCLOSURE

5 A positive engagement clutch has a torque input side and a torque output side.
The clutch comprises a torque input member arranged on the torque input side, a
torque output member arranged on the torque output side, first engagement members,
second engagement members, and an actuator. The torque input member and the
torque output member are arranged concentrically to rotate on a common axis. One of
10 the torque input member and the torque output member carries the first engagement
members, and the other of the torque input member and the torque output member
carries the second engagement members. The first engagement members are radially
movable by the actuator between a projecting and a retracted position, and the second
engagement members project radially into a gap between the torque input member and
15 the torque output member. The first and second engagement members engage with
each other, when the first engagement members are in the projecting position, to
progressively engage the torque input and output members to allow the transmission
of torque to the torque output side. The first and second engagement members are
disengaged from each other, when the first engagement members are in the retracted
20 position, to prevent the transmission of torque to the torque output side